



1/2

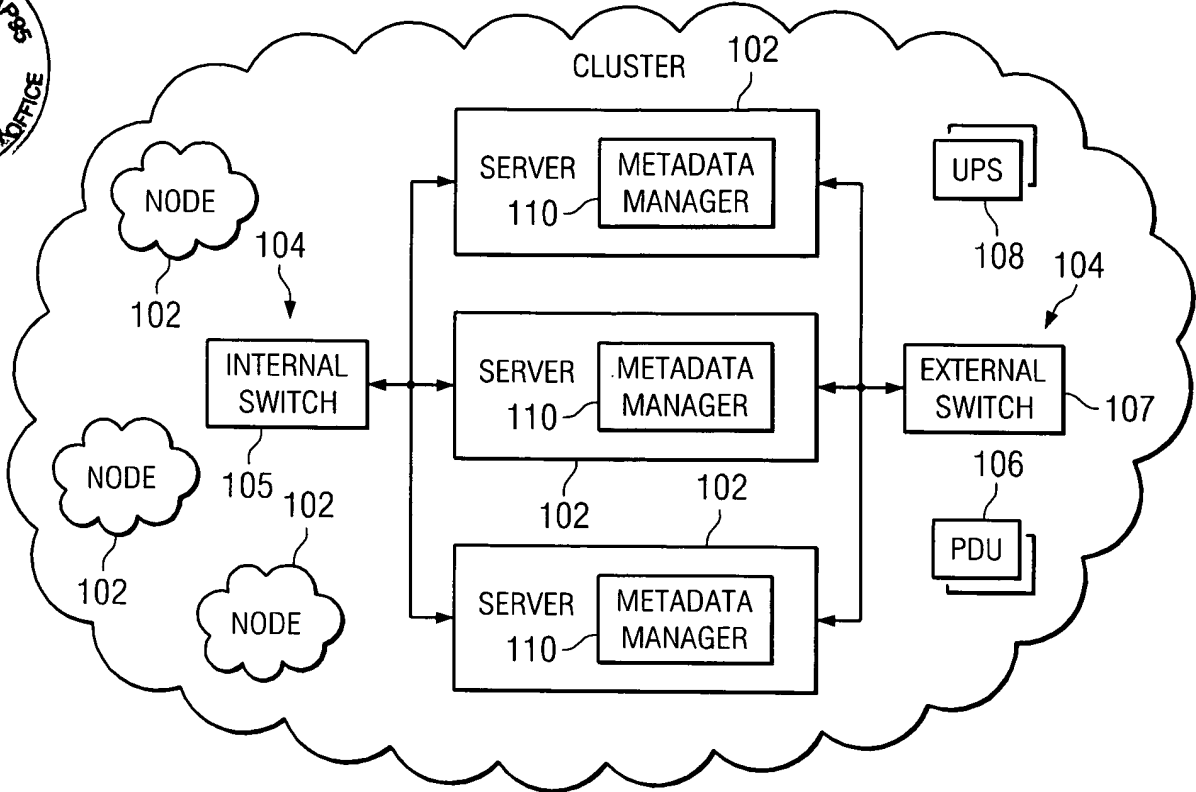
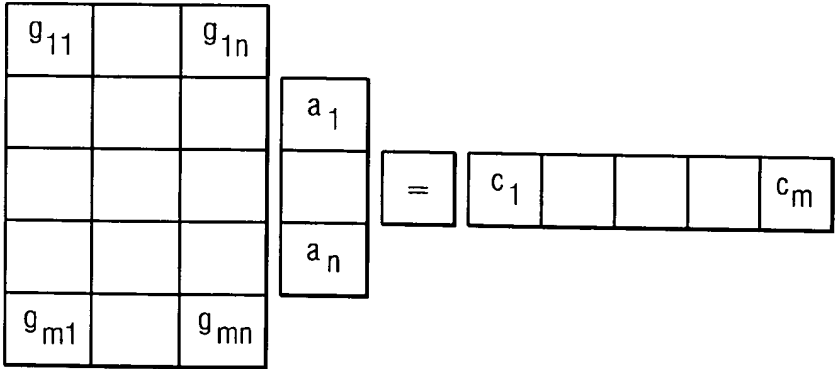


FIG. 1

- ANY N+K CODING ALGORITHM CAN BE REPRESENTED IN MATRIX FORM ( $m = n+k$ ):



- WHERE  $c_i = f_i(g_{i1}(c_1), \dots, g_{in}(c_n))$

FIG. 2

$$\begin{array}{rcl}
 (1+c)A & & \\
 = & & \\
 1A & a_1 & a_2 \quad \dots \quad a_{m-2} \quad a_{m-1} \quad a_m \\
 cA & a_m & a_1 \quad \dots \quad a_{m-3} \quad a_{m-2} \quad a_{m-1} \\
 \hline
 + \text{key} & a_1 & \\
 = & \frac{a_1}{a_m} & 
 \end{array}$$

$\xrightarrow{\quad}$ 

$$\begin{array}{r}
 + a_m \\
 \hline
 a_{m-1} \\
 + a_{m-1} \\
 \hline
 a_{m-2} \\
 + a_{m-2} \\
 \hline
 a_{m-3} \\
 \vdots \\
 + a_2 \\
 \hline
 a_1
 \end{array}$$

*FIG. 3*